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L2	1	1 and shortcut	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/29 14:58
L3	1	shortcut same (semantic\$6 and abbreviat\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/29 15:04
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L5	21	4 and (query and record) with context	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/29 15:10
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Relevance scale **1 Fast detection of communication patterns in distributed executions**

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research CASCON '97****Publisher:** IBM PressFull text available:  pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

2 Efficient algorithms for processing XPath queries Georg Gottlob, Christoph Koch, Reinhard PichlerJune 2005 **ACM Transactions on Database Systems (TODS)**, Volume 30 Issue 2**Publisher:** ACM PressFull text available:  pdf(721.61 KB) Additional Information: full citation, abstract, references, citations, index terms

Our experimental analysis of several popular XPath processors reveals a striking fact: Query evaluation in each of the systems requires time exponential in the size of queries in the worst case. We show that XPath can be processed much more efficiently, and propose main-memory algorithms for this problem with polynomial-time combined query evaluation complexity. Moreover, we show how the main ideas of our algorithm can be profitably integrated into existing XPath processors. Finally, we present ...

Keywords: Efficient Algorithms, XML, XPath**3 Invited workshop on conceptual information retrieval and clustering of documents:****Tag semantics for the retrieval of XML documents**

Davide Buscaldi, Giovanna Guerrini, Marco Mesiti, Paolo Rosso

September 2003 **Proceedings of the 1st international symposium on Information and communication technologies ISICT '03****Publisher:** Trinity College DublinFull text available:  pdf(199.43 KB) Additional Information: full citation, abstract, references

Word Sense Disambiguation (WSD), in the field of Natural Language Processing (NLP), consists in assigning the correct sense (semantics) to a word form (lexeme) by means of the context in which the lexeme is found. In this paper we investigate the possibility of applying WSD techniques to the field of Information Retrieval, especially to the retrieval of XML documents. We consider two methods to automatically assign semantic values to XML tags on the grounds of the tagged text contained. Such met ...

4 Macintosh human interface guidelines

Apple Computer, Inc.
January 1992 Book

Publisher: Addison-Wesley Publishing Company

Full text available:  pdf(37.61 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Macintosh Human Interface Guidelines describes the way to create products that optimize the interaction between people and Macintosh computers. It explains the whys and hows of the Macintosh interface in general terms and specific details.

Macintosh Human Interface Guidelines helps you link the philosophy behind the Macintosh interface to the actual implementation of interface elements. Examples from a wide range of Macintosh products show good human interface design, including individ ...

5 The complexity of XPath query evaluation and XML typing

 Georg Gottlob, Christoph Koch, Reinhard Pichler, Luc Segoufin
March 2005 **Journal of the ACM (JACM)**, Volume 52 Issue 2

Publisher: ACM Press

Full text available:  pdf(447.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We study the complexity of two central XML processing problems. The first is XPath 1.0 query processing, which has been shown to be in PTIME in previous work. We prove that both the data complexity and the query complexity of XPath 1.0 fall into lower (highly parallelizable) complexity classes, while the combined complexity is PTIME-hard.

Subsequently, we study the sources of this hardness and identify a large and practically important fragment of XPath 1.0 for which the combined complexity is L ...

Keywords: Complexity, DTD, LOGCFL, XML, XPath

6 XIRQL: An XML query language based on information retrieval concepts

 Norbert Fuhr, Kai Großjohann
April 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 2

Publisher: ACM Press

Full text available:  pdf(281.91 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

XIRQL ("circle") is an XML query language that incorporates imprecision and vagueness for both structural and content-oriented query conditions. The corresponding uncertainty is handled by a consistent probabilistic model. The core features of XIRQL are (1) document ranking based on index term weighting, (2) specificity-oriented search for retrieving the most relevant parts of documents, (3) datatypes with vague predicates for dealing with specific types of content and (4) structural vagueness f ...

Keywords: Path algebra, XML, XQuery, probabilistic retrieval, ranked retrieval, vague predicates

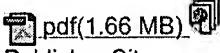
7 Special issue on user modeling: Modeling the user's plans and goals

Sandra Carberry

September 1988 **Computational Linguistics**, Volume 14 Issue 3

Publisher: MIT Press

Full text available:



[pdf\(1.66 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

[Publisher Site](#)

This work is an ongoing research effort aimed both at developing techniques for inferring and constructing a user model from an information-seeking dialog and at identifying strategies for applying this model to enhance robust communication. One of the most important components of a user model is a representation of the system's beliefs about the underlying task-related plan motivating an information-seeker's queries. These beliefs can be used to interpret subsequent utterances and produce useful ...

8 ISIS: an adaptive, trilingual conversational system with interleaving interaction and delegation dialogs

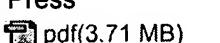


Helen Meng, P. C. Ching, Shuk Fong Chan, Yee Fong Wong, Cheong Chat Chan

September 2004 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 11 Issue 3

Publisher: ACM Press

Full text available:



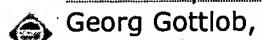
[pdf\(3.71 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

ISIS (Intelligent Speech for Information Systems) is a trilingual spoken dialog system (SDS) for the stocks domain. It handles two dialects of Chinese (Cantonese and Putonghua) as well as English---the predominant languages in our region. The system supports spoken language queries regarding stock market information and simulated personal portfolios. The conversational interface is augmented with a screen display that can capture mouse-clicks as well as textual input by typing or stylus-writing. ...

Keywords: Human-computer spoken language interface, interaction and delegation dialogs

9 The complexity of XPath query evaluation

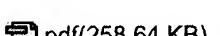


Georg Gottlob, Christoph Koch, Reinhard Pichler

June 2003 **Proceedings of the twenty-second ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems PODS '03**

Publisher: ACM Press

Full text available:

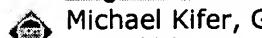


[pdf\(258.64 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper, we study the precise complexity of XPath 1.0 query processing. Even though heavily used by its incorporation into a variety of XML-related standards, the precise cost of evaluating an XPath query is not yet wellunderstood. The first polynomial-time algorithm for XPath processing (with respect to combined complexity) was proposed only recently, and even to this day all major XPath engines take time exponential in the size of the input queries. From the standpoint of theory, the pre ...

10 Logical foundations of object-oriented and frame-based languages

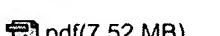


Michael Kifer, Georg Lausen, James Wu

July 1995 **Journal of the ACM (JACM)**, Volume 42 Issue 4

Publisher: ACM Press

Full text available:



[pdf\(7.52 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

We propose a novel formalism, called Frame Logic (abbr., F-logic), that accounts in a clean and declarative fashion for most of the structural aspects of object-oriented and frame-

based languages. These features include object identity, complex objects, inheritance, polymorphic types, query methods, encapsulation, and others. In a sense, F-logic stands in the same relationship to the object-oriented paradigm as classical predicate calculus stands to relational programming. ...

Keywords: deductive databases, frame-based languages, logic programming, nonmonotonic inheritance, object-oriented programming, proof theory, semantics, typing

11 On the complexity of nonrecursive XQuery and functional query languages on complex values

Christoph Koch

December 2006 **ACM Transactions on Database Systems (TODS)**, Volume 31 Issue 4

Publisher: ACM Press

Full text available:  pdf(700.17 KB) Additional Information: [full citation](#), [appendices and supplements](#), [abstract](#), [references](#), [index terms](#)

This article studies the complexity of evaluating functional query languages for complex values such as monad algebra and the recursion-free fragment of XQuery. We show that monad algebra, with equality restricted to atomic values, is complete for the class $TA[2^{O(n)}, O(n)]$ of problems solvable in linear exponential time with a linear number of alternations if the query is assumed to be part of the input. The monotone fragment of monad algebra with atomic va ...

Keywords: Complex values, XML, XQuery, complexity, conservativity, expressiveness, monad algebra, nested-relational algebra

12 Cryptography and data security

Dorothy Elizabeth Robling Denning
January 1982 Book

Publisher: Addison-Wesley Longman Publishing Co., Inc.

Full text available:  pdf(19.47 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

From the Preface (See Front Matter for full Preface)

Electronic computers have evolved from exiguous experimental enterprises in the 1940s to prolific practical data processing systems in the 1980s. As we have come to rely on these systems to process and store data, we have also come to wonder about their ability to protect valuable data.

Data security is the science and study of methods of protecting data in computer and communication systems from unauthorized disclosure ...

13 Technique for automatically correcting words in text

Karen Kukich

December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4

Publisher: ACM Press

Full text available:  pdf(6.23 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Research aimed at correcting words in text has focused on three progressively more difficult problems:(1) nonword error detection; (2) isolated-word error correction; and (3) context-dependent word correction. In response to the first problem, efficient pattern-matching and n-gram analysis techniques have been developed for detecting strings that

do not appear in a given word list. In response to the second problem, a variety of general and application-specific spelling cor ...

Keywords: n-gram analysis, Optical Character Recognition (OCR), context-dependent spelling correction, grammar checking, natural-language-processing models, neural net classifiers, spell checking, spelling error detection, spelling error patterns, statistical-language models, word recognition and correction

**14 Semantic web ontologies, rules, and services track: A policy framework for trading
configurable goods and services in open electronic markets**

Steffen Lamparameter, Anupriya Ankolekar, Rudi Studer, Daniel Oberle, Christof Weinhardt
August 2006 **Proceedings of the 8th international conference on Electronic commerce: The new e-commerce: innovations for conquering current barriers, obstacles and limitations to conducting successful business on the internet ICEC '06**

Publisher: ACM Press

Full text available:  pdf(645.86 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In recent years, electronic markets have gained much attention as institutions to allocate goods and services efficiently between buyers and sellers. However, calculating suitable allocations between buyers and sellers in such markets can easily become very tricky, particularly if the services and goods involved are complex and described by multiple attributes. Since such trading objects typically provide various configurations with different corresponding prices, complex pricing functions and p ...

Keywords: ontology, policy, utility theory

15 Selected writings on computing: a personal perspective

Edsger W. Dijkstra
January 1982 Book

Publisher: Springer-Verlag New York, Inc.

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Since the summer of 1973, when I became a Burroughs Research Fellow, my life has been very different from what it had been before. The daily routine changed: instead of going to the University each day, where I used to spend most of my time in the company of others, I now went there only one day a week and was most of the time that is, when not travelling!-- alone in my study. In my solitude, mail and the written word in general became more and more important. The circumstance that my employe ...

16 Compiler construction: an advanced course

F. L. Bauer, F. L. De Remer, M. Griffiths, U. Hill, J. J. Horning, C. H. A. Koster, W. M. McKeeman, P. C. Poole, W. M. Waite, G. Goos, J. Hartmanis
January 1974 Book

Publisher: Springer-Verlag New York, Inc.

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

The Advanced Course took place from March 4 to 15, 1974 and was organized by the Mathematical Institute of the Technical University of Munich and the Leibniz Computing Center of the Bavarian Academy of Sciences, in co-operation with the European Communities, sponsored by the Ministry for Research and Technology of the Federal Republic of Germany and by the European Research Office, London.

17 Probabilistic temporal databases, I: algebra Alex Dekhtyar, Robert Ross, V. S. SubrahmanianMarch 2001 **ACM Transactions on Database Systems (TODS)**, Volume 26 Issue 1**Publisher:** ACM PressFull text available:  pdf(878.03 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Dyreson and Snodgrass have drawn attention to the fact that, in many temporal database applications, there is often uncertainty about the start time of events, the end time of events, and the duration of events. When the granularity of time is small (e.g., milliseconds), a statement such as "Packet p was shipped sometime during the first 5 days of January, 1998" leads to a massive amount of uncertainty ($5 \times 24 \times 60 \times 60 \times 1000$) possibilities. A ...

18 Meta-level Reasoning: Inferring dynamic credentials for rôle-based trust management Daniele Gorla, Matthew Hennessy, Vladimiro SassoneJuly 2006 **Proceedings of the 8th ACM SIGPLAN symposium on Principles and practice of declarative programming PPDP '06****Publisher:** ACM PressFull text available:  pdf(279.15 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The topic of this paper is the rôle-based trust-management language RT_0 , a formalism inspired by logic programming that handles trust in large scale, decentralised systems. We provide a purely operational semantics for the language in which credentials can be established using a simple set of inference rules. We then extend RT_0 to include time validity and boolean guards that control the availability of credentials. In such an extended framework, credential ...

Keywords: inference systems, logic programming with negation, rôle-based access control, trust-management

19 PIC matrices: a computationally tractable class of probabilistic query operators Warren R. Greiff, W. Bruce Croft, Howard TurtleOctober 1999 **ACM Transactions on Information Systems (TOIS)**, Volume 17 Issue 4**Publisher:** ACM PressFull text available:  pdf(239.43 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The inference network model of information retrieval allows a probabilistic interpretation of query operators. In particular, Boolean query operators are conveniently modeled as link matrices of the Bayesian Network. Prior work has shown, however, that these operators do not perform as well as the pnorm operators used for modeling query operators in the context of the vector space model. This motivates the search for alternative probabilistic formulations for these operators ...

Keywords: Bayesian networks, Boolean queries, computational complexity, inference networks, link matrices, piecewise linear functions, pnorm, probabilistic information retrieval, query operators

20 Safe query languages for constraint databases Peter Z. ReveszMarch 1998 **ACM Transactions on Database Systems (TODS)**, Volume 23 Issue 1**Publisher:** ACM Press

Full text available: [pdf\(295.75 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In the database framework of Kanellakis et al. [1990] it was argued that constraint query languages should take constraint databases as input and give other constraint databases that use the same type of atomic constraints as output. This closed-form requirement has been difficult to realize in constraint query languages that contain the negation symbol. This paper describes a general approach to restricting constraint query languages with negation to safe subsets that contain only programs ...

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Relevance scale **21 The DEDALE system for complex spatial queries** Stéphane Grumbach, Philippe Rigaux, Luc Segoufin June 1998 **ACM SIGMOD Record, Proceedings of the 1998 ACM SIGMOD international conference on Management of data SIGMOD '98**, Volume 27 Issue 2**Publisher:** ACM PressFull text available:  pdf(1.62 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents DEDALE, a spatial database system intended to overcome some limitations of current systems by providing an abstract and non-specialized data model and query language for the representation and manipulation of spatial objects. DEDALE relies on a logical model based on linear constraints, which generalizes the constraint database model of [KKR90]. While in the classical constraint model, spatial data is always decomposed into its convex components, in DEDALE holes are allo ...

22 Predicate-calculus-based logics for modeling and solving search problems Deborah East, Mirosław Truszczyński January 2006 **ACM Transactions on Computational Logic (TOCL)**, Volume 7 Issue 1**Publisher:** ACM PressFull text available:  pdf(300.38 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The answer-set programming (ASP) paradigm is a way of using logic to solve search problems. Given a search problem, to solve it one designs a logic theory so that *models* of this theory represent problem solutions. To compute a solution to the problem, one computes a model of the theory. Several answer-set programming formalisms have been developed on the basis of logic programming with the semantics of answer sets. In this article we show that predicate logic also gives rise to effective ...

Keywords: Satisfiability, constraints, predicate logic, pseudo-Boolean constraints, search problems

23 Database technology for novel applications: Scaling games to epic proportion Walker White, Alan Demers, Christoph Koch, Johannes Gehrke, Rajmohan Rajagopalan June 2007 **Proceedings of the 2007 ACM SIGMOD international conference on Management of data SIGMOD '07****Publisher:** ACM PressFull text available:  pdf(340.46 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We introduce scalability for computer games as the next frontier for techniques from data management. A very important aspect of computer games is the artificial intelligence (AI) of non-player characters. To create interesting AI in games today, developers or players have to create complex, dynamic behavior for a very small number of characters, but neither the game engines nor the style of AI programming enables intelligent behavior that scales to a very large number of non-player character ...

Keywords: aggregates, games, indexing, scripting

24 Properties of unfolding-based meta-level systems

 Torben Amtoft Hansen

May 1991 **ACM SIGPLAN Notices , Proceedings of the 1991 ACM SIGPLAN symposium on Partial evaluation and semantics-based program manipulation PEPM '91**, Volume 26 Issue 9

Publisher: ACM Press

Full text available:  pdf(1.08 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

25 Poster Session 1: Collaborative multimodal photo annotation over digital paper

 Paulo Barthelemess, Edward Kaiser, Xiao Huang, David McGee, Philip Cohen

November 2006 **Proceedings of the 8th international conference on Multimodal interfaces ICMI '06**

Publisher: ACM Press

Full text available:  pdf(470.55 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

The availability of metadata annotations over media content such as photos is known to enhance retrieval and organization, particularly for large data sets. The greatest challenge for obtaining annotations remains getting users to perform the large amount of tedious manual work that is required. In this paper we introduce an approach for semi-automated labeling based on extraction of metadata from naturally occurring conversations of groups of people discussing pictures among themselves. As the bu ...

Keywords: automatic label extraction, collaborative interaction, intelligent interfaces, multimodal processing, photo annotation

26 Research session 1: award winning papers: Monadic datalog and the expressive power of languages for web information extraction

 Georg Gottlob, Christoph Koch

June 2002 **Proceedings of the twenty-first ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems PODS '02**

Publisher: ACM Press

Full text available:  pdf(281.43 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Research on information extraction from Web pages (wrapping) has seen much activity in recent times (particularly systems implementations), but little work has been done on formally studying the expressiveness of the formalisms proposed or on the theoretical foundations of wrapping. In this paper, we first study monadic datalog as a wrapping language (over ranked or unranked tree structures). Using previous work by Neven and Schwentick, we show that this simple language is equivalent to full mona ...

27 Analysis of navigation behaviour in web sites integrating multiple information systems

Bettina Berendt, Myra Spiliopoulou

March 2000 **The VLDB Journal — The International Journal on Very Large Data Bases,**

Volume 9 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available:  pdf(281.14 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

The analysis of web usage has mostly focused on sites composed of conventional static pages. However, huge amounts of information available in the web come from databases or other data collections and are presented to the users in the form of dynamically generated pages. The query interfaces of such sites allow the specification of many search criteria. Their generated results support navigation to pages of results combining cross-linked data from many sources. For the analysis of visitor nava ...

Keywords: Conceptual hierarchies, Data mining, Query capabilities, Web databases, Web query interfaces, Web usage mining

28 Back and forth between guarded and modal logics 

 Erich Grädel, Colin Hirsch, Martin Otto

July 2002 **ACM Transactions on Computational Logic (TOCL)**, Volume 3 Issue 3

Publisher: ACM Press

Full text available:  pdf(468.26 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Guarded fixed-point logic μ GF extends the guarded fragment by means of least and greatest fixed points, and thus plays the same role within the domain of guarded logics as the modal μ -calculus plays within the modal domain. We provide a semantic characterization of μ GF within an appropriate fragment of second-order logic, in terms of invariance under guarded bisimulation. The corresponding characterization of the modal μ -calculus, due to Janin and Walukiewicz, is lifted from the moda ...

Keywords: Bisimulation, guarded logic, modal logic, model theory

29 Users and interaction track: interacting in media: Addressing the challenge of visual 

 information access from digital image and video libraries

Michael G. Christel, Ronald M. Conescu

June 2005 **Proceedings of the 5th ACM/IEEE-CS joint conference on Digital libraries**

JCDL '05

Publisher: ACM Press

Full text available:  pdf(1.51 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

While it would seem that digital video libraries should benefit from access mechanisms directed to their visual contents, years of TREC Video Retrieval Evaluation (TRECVID) research have shown that text search against transcript narrative text provides almost all the retrieval capability, even with visually oriented generic topics. A within-subjects study involving 24 novice participants on TRECVID 2004 tasks again confirms this result. The study shows that satisfaction is greater and performanc ...

Keywords: TRECVID results analysis, video retrieval

30 Human-computer interaction for semantic disambiguation 

Ralf D. Brown, Sergei Nirenburg

August 1990 **Proceedings of the 13th conference on Computational linguistics - Volume 3**

Publisher: Association for Computational Linguistics

Full text available: [pdf\(815.46 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We describe a semi-automatic semantic disambiguator integrated in a knowledge-based machine translation system. It is used to bridge the analysis and generation stages in machine translation. The user interface of the disambiguator is built on mouse-based multiple-selection menus.

31 Ontologies: Just the right amount: extracting modules from ontologies

 Bernardo Cuenca Grau, Ian Horrocks, Yevgeny Kazakov, Ulrike Sattler
May 2007 **Proceedings of the 16th international conference on World Wide Web**
WWW '07

Publisher: ACM Press

Full text available: [pdf\(394.76 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The ability to extract meaningful fragments from an ontology is key for ontology re-use. We propose a definition of a module that guarantees to completely capture the meaning of a given set of terms, i.e., to include all axioms relevant to the meaning of these terms, and study the problem of extracting minimal modules. We show that the problem of determining whether a subset of an ontology is a module for a given vocabulary is undecidable even for rather restricted sub-languages of OWL DL. He ...

Keywords: description logics, owl, ontologies, semantic web

32 Digital libraries and cyberinfrastructure track: creating information representations for

 the humanities (part 2): E-library of medieval chant manuscript transcriptions
Louis W. G. Barton, John A. Caldwell, Peter G. Jeavons
June 2005 **Proceedings of the 5th ACM/IEEE-CS joint conference on Digital libraries**

JCDL '05

Publisher: ACM Press

Full text available: [pdf\(668.36 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we present our rationale and design principles for a *distributed e-library* of medieval chant manuscript transcriptions. We describe the great variety in *neumatic* notations, in order to motivate a standardised data representation that is *lossless* and universal with respect to these musical artefacts. We present some details of the data representation and an XML Schema for describing and delivering transcriptions via the Web. We argue against proposed data format ...

Keywords: XML, chant, comparison, data representation, digital libraries, medieval manuscripts, musical notation, search, transcription

33 Stateful distributed interposition

 John Reumann, Kang G. Shin
February 2004 **ACM Transactions on Computer Systems (TOCS)**, Volume 22 Issue 1

Publisher: ACM Press

Full text available: [pdf\(833.84 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Interposition-based system enhancements for multitiered servers are difficult to build because important system context is typically lost at application and machine boundaries. For example, resource quotas and user identities do not propagate easily between cooperating services that execute on different hosts or that communicate with each other via intermediary services. Application-transparent system enhancement is difficult to achieve when such context information is obscured by complex servic ...

Keywords: Distributed computing, component services, distributed context, multitiered

services, operating systems, server consolidation

34 The clearinghouse: a decentralized agent for locating named objects in a distributed environment

Derek C. Oppen, Yogen K. Dalal

July 1983 **ACM Transactions on Information Systems (TOIS)**, Volume 1 Issue 3

Publisher: ACM Press

Full text available:  pdf(1.73 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



35 Software architecture of ubiquitous scientific computing environments for mobile platforms

Tzvetan T. Drashansky, Sanjiva Weerawarana, Anupam Joshi, Ranjeewa A. Weerasinghe, Elias N. Houstis

December 1996 **Mobile Networks and Applications**, Volume 1 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  pdf(363.10 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



Recent and anticipated technological advances in wireless computing will permit users to compute ubiquitously, "anywhere" and "any time". However, mobile platforms are unlikely to have the computational resources to solve even moderately complex problems that users routinely solve on static workstations today. In the SciencePad project our aim is to develop "Ubiquitous" Problem Solving Environments (UPSEs) to support mobile aware applications. The objecti ...

36 XML 1: XML transformation by tree-walking transducers with invisible pebbles

Joost Engelfriet, Hendrik Jan Hoogeboom, Bart Samwel

June 2007 **Proceedings of the twenty-sixth ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems PODS '07**

Publisher: ACM Press

Full text available:  pdf(217.23 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



The pebble tree automaton and the pebble tree transducer are enhanced by additionally allowing an unbounded number of "invisible" pebbles (as opposed to the usual ("visible" ones). The resulting pebble tree automata recognize the regular tree languages (i.e., can validate all generalized DTD's) and hence can find all matches of MSO definable n-ary patterns. Moreover, when viewed as a navigational device, they lead to an XPath-like formalism that has a path expression for every MSO definable b ...

Keywords: XML, pebble, tree transducer

37 Concurrent zero-knowledge

Cynthia Dwork, Moni Naor, Amit Sahai

November 2004 **Journal of the ACM (JACM)**, Volume 51 Issue 6

Publisher: ACM Press

Full text available:  pdf(316.80 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



Concurrent executions of a zero-knowledge protocol by a single prover (with one or more verifiers) may leak information and may not be zero-knowledge *in toto*. In this article, we study the problem of maintaining zero-knowledge. We introduce the notion of an (α, β) timing constraint: for any two processors P_1 and P_2 , if P_1 measures α elapsed time on its

local clock and P_2 measures β elapsed ...

Keywords: Zero knowledge, composition, cryptographic protocols

38 Functional declarative language design and predicate calculus: a practical approach 

 Raymond Boute

September 2005 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 27 Issue 5

Publisher: ACM Press

Full text available:  pdf(430.46 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In programming language and software engineering, the main mathematical tool is *de facto* some form of predicate logic. Yet, as elsewhere in applied mathematics, it is used mostly far below its potential, due to its traditional formulation as just a topic in logic instead of a calculus for everyday practical use. The proposed alternative combines a language of utmost simplicity (four constructs only) that is devoid of the defects of common mathematical conventions, with a set of convenient ...

Keywords: Analysis, Leibniz's principle, binary algebra, calculational reasoning, databases, declarative languages, elastic operators, function equality, functional predicate calculus, generic functionals, limits, program semantics, programming languages, quantifiers, recursion, software engineering, summation

39 Unified versioning through feature logic 

 Andreas Zeller, Gregor Snelting

October 1997 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 6 Issue 4

Publisher: ACM Press

Full text available:  pdf(699.55 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Software configuration management (SCM) suffers from tight coupling between SCM version-ing models and the imposed SCM processes. In order to adapt SCM tools to SCM processes, rather than vice versa, we propose a unified versioning model, the version set model. Version sets denote versions, components, and configurations by feature terms, that is, Boolean terms over (feature : value)-attributions. Through feature logic, we ...

Keywords: feature logic, version sets

40 Early user--system interaction for database selection in massive domain-specific 

 online environments

Jack G. Conrad, Joanne R. S. Claussen

January 2003 **ACM Transactions on Information Systems (TOIS)**, Volume 21 Issue 1

Publisher: ACM Press

Full text available:  pdf(845.54 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The continued growth of very large data environments such as Westlaw and Dialog, in addition to the World Wide Web, increases the importance of effective and efficient database selection and searching. Current research focuses largely on completely autonomous and automatic selection, searching, and results merging in distributed environments. This fully automatic approach has significant deficiencies, including reliance upon thresholds below which databases with relevant documents are not search ...

Keywords: Database selection, metadata for retrieval, structuring information to aid search and navigation, user interaction

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Relevance scale **41 The multics system: an examination of its structure**

Elliott I. Organick

January 1972 Book

Publisher: MIT PressAdditional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

This volume provides an overview of the Multics system developed at M.I.T.--a time-shared, general purpose utility like system with third-generation software. The advantage that this new system has over its predecessors lies in its expanded capacity to manipulate and file information on several levels and to police and control access to data in its various files. On the invitation of M.I.T.'s Project MAC, Elliott Organick developed over a period of years an explanation of the workings, concep ...

**42 Subtext: uncovering the simplicity of programming** Jonathan EdwardsOctober 2005 **ACM SIGPLAN Notices , Proceedings of the 20th annual ACM SIGPLAN conference on Object oriented programming, systems, languages, and applications OOPSLA '05**, Volume 40 Issue 10**Publisher:** ACM PressFull text available:  pdf(293.12 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Representing programs as text strings makes programming harder than it has to be. The source text of a program is far removed from its behavior. Bridging this conceptual gulf is what makes programming so inhumanly difficult -- we are not compilers. *Subtext* is a new medium in which the representation of a program is the same thing as its execution. Like a spreadsheet, a program is visible and alive, constantly executing even as it is edited. Program edits are coherent semantic transformati ...

Keywords: copying, non-textual programming, prototypes, visual programming**43 Extending Java for high-level Web service construction** Aske Simon Christensen, Anders Møller, Michael I. SchwartzbachNovember 2003 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 25 Issue 6**Publisher:** ACM PressFull text available:  pdf(947.02 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)

terms

We incorporate innovations from the <bigwig> project into the Java language to provide high-level features for Web service programming. The resulting language, JWIG, contains an advanced session model and a flexible mechanism for dynamic construction of XML documents, in particular XHTML. To support program development we provide a suite of program analyses that at compile time verify for a given program that no runtime errors can occur while building documents or receiving form input, and ...

Keywords: Interactive Web services, XML, data-flow analysis

44 [Data Access and Knowledge Management: Advanced grouping and aggregation for data integration](#) 

Eike Schallehn, Kai-Uwe Sattler, Gunter Saake

October 2001 **Proceedings of the tenth international conference on Information and knowledge management CIKM '01**

Publisher: ACM Press

Full text available:  pdf(570.54 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

New applications from the areas of analytical data processing and data integration require powerful features to condense and reconcile available data. As outlined in [1], the general concept of grouping and aggregation appears to be a fitting paradigm for a number of these issues, but in its common form of equality based groups or with current extensions like simple user-defined functions to derive group-by values on a per tuple basis and restricted aggregate functions a number of problems remai ...

45 [An access control model supporting periodicity constraints and temporal reasoning](#) 

Elisa Bertino, Claudio Bettini, Elena Ferrari, Pierangela Samarati

September 1998 **ACM Transactions on Database Systems (TODS)**, Volume 23 Issue 3

Publisher: ACM Press

Full text available:  pdf(469.39 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Access control models, such as the ones supported by commercial DBMSs, are not yet able to fully meet many application needs. An important requirement derives from the temporal dimension that permissions have in many real-world situations. Permissions are often limited in time or may hold only for specific periods of time. In this article, we present an access control model in which periodic temporal intervals are associated with authorizations. An authorization is automatically granted in ...

Keywords: access control, periodic authorization, temporal constraints, time management

46 [Fighting the spam wars: A remailer approach with restrictive aliasing](#) 

Pawel Gburzynski, Jacek Maitan

February 2004 **ACM Transactions on Internet Technology (TOIT)**, Volume 4 Issue 1

Publisher: ACM Press

Full text available:  pdf(162.34 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

We present an effective method of eliminating unsolicited electronic mail (so-called *spam*) and discuss its publicly accessible prototype implementation. A subscriber to our system is able to obtain an unlimited number of aliases of his/her permanent (protected) E-Mail address to be handed out to parties willing to communicate with the subscriber. It is also possible to set up publishable aliases, which can be used by human correspondents to

contact the subscriber, while being useless to h ...

Keywords: Electronic mail, privacy, spam

47 Regular expression types for XML

 Haruo Hosoya, Jérôme Vouillon, Benjamin C. Pierce

September 2000 **ACM SIGPLAN Notices , Proceedings of the fifth ACM SIGPLAN international conference on Functional programming ICFP '00**, Volume 35 Issue 9

Publisher: ACM Press

Full text available:  pdf(575.20 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We propose *regular expression types* as a foundation for XML processing languages. Regular expression types are a natural generalization of Document Type Definitions (DTDs), describing structures in XML documents using regular expression operators (i.e., *, ?, |, etc.) and supporting a simple but powerful notion of *subtyping*. The decision problem for the subtype relation is EXPTIME-hard, but it can be checked quite efficiently in many cases of practical interest. The subtyping algori ...

48 The Mesa programming environment

 Richard E. Sweet

June 1983 **ACM SIGPLAN Notices , ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 85 symposium on Language issues in programming environments**, Volume 18 , 20 Issue 6 , 7

Publisher: ACM Press

Full text available:  pdf(1.48 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

People everywhere are developing multi-window, integrated programming environments for their favorite computers and languages. This paper describes the Mesa programming facilities of the Xerox Development Environment (XDE). It is interesting for several reasons. It has existed in something similar to its current form for about 5 years. It has more than 500 users, many interacting with it 8 or more hours a day. Several million lines of code have been written by these users, including large, ...

49 Cryptographic protocols/ network security: A composable cryptographic library with nested operations

 Michael Backes, Birgit Pfitzmann, Michael Waidner

October 2003 **Proceedings of the 10th ACM conference on Computer and communications security CCS '03**

Publisher: ACM Press

Full text available:  pdf(234.97 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present the first idealized cryptographic library that can be used like the Dolev-Yao model for automated proofs of cryptographic protocols that use nested cryptographic operations, while coming with a cryptographic implementation that is provably secure under active attacks.

Keywords: cryptographically composable operators, cryptography, security analysis of protocols, simulability

50 How shall we evaluate prototype natural language processors?

Bruce W. Ballard

May 1981 **ACM SIGSOC Bulletin , Proceedings of the joint conference on Easier and more productive use of computer systems. (Part - II): Human interface and the user interface - Volume 1981**, Volume 13 Issue 2-3

Publisher: ACM Press

Full text available: [pdf\(500.25 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Recent years have seen important advances in computational linguistics and artificial intelligence. Although many problems remain, the goal of providing limited English-processing facilities for non-technical computer users is within sight. By the end of the decade, numerous systems providing limited coverage of "natural language" will be available for business and home use. Several systems (e.g. TQA [16]) have already become operational. One system (ROBOT [7]) has been supporting natural langua ...

51 Photo tourism: exploring photo collections in 3D

Noah Snavely, Steven M. Seitz, Richard Szeliski

July 2006 **ACM Transactions on Graphics (TOG) , ACM SIGGRAPH 2006 Papers SIGGRAPH '06**, Volume 25 Issue 3

Publisher: ACM Press

Full text available: [pdf\(618.03 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present a system for interactively browsing and exploring large unstructured collections of photographs of a scene using a novel 3D interface. Our system consists of an image-based modeling front end that automatically computes the viewpoint of each photograph as well as a sparse 3D model of the scene and image to model correspondences. Our *photo explorer* uses image-based rendering techniques to smoothly transition between photographs, while also enabling full 3D navigation and explora ...

Keywords: image-based modeling, image-based rendering, photo browsing, structure from motion

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Semantic user interface - Patent 20020156774

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ISS4PS User Interface Style Guide. Page 164 of 168. Appendix G. Police Service

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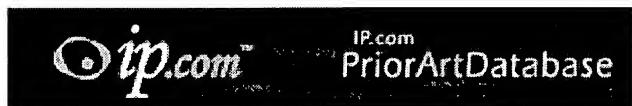
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Result # 1 Relevance: 5

IPv6 over Non-Broadcast Multiple Access (NBMA) networks (RFC2491)

1999-01-01

IPCOM000003072D

En

This document describes a general architecture for IPv6 over NBMA networks. It forms subsidiary companion documents that describe details for various specific NBMA technologies (e.g., ATM or Frame Relay). The IPv6 over NBMA architecture allows conventional ...

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Result # 1 Relevance:

MAC TR-145 THE BINDING MODEL: A SEMANTIC BASE FOR MODULAR PROGRAMMING SYSTEMS

1975-02-28

IPCOM000149045D

Eng

THE BINDING M3DEL: A SEMANTIC BASE FOR MODULAR PROGRAMMING SYSTEMS D . Henderson, Jr . February 1975 MASSACHUSETTS INSTITUTE OF TECHNOLOGY PROJE MASSACHUSETTS 02139 CAMBRIDGE TYE 3INDING NODEL: A SEMANTIC BASE FO8 ?! PROGRAXWIkG ...

Result # 2 Relevance:

MTS The Michigan Terminal System Volume 6: FORTRAN in MTS October Updated February 1988 (Update 1)

1988-02-01

IPCOM000128753D

Eng

The software developed by the Computing Center staff for the operation of the high-speed computer can be described as a multiprogramming supervisor that handles a number of reentrant programs. Among them is a large subsystem, called MTS (Michigan Terminal

Result # 3 Relevance:

Integrated Services in the Internet Architecture: an Overview (RFC16

1994-06-01

IPCOM000002469D

Eng

This memo discusses a proposed extension to the Internet architecture and protocols to integrated services, i.e., to support real-time as well as the current non-real-time services. This extension is necessary to meet the growing need for real-time service ...

Result # 4 Relevance:

Evaluation of Candidate Protocols for IP Flow Information Export (IPI (RFC3955))

2004-10-01

IPCOM000032252D

Eng

This document contains an evaluation of the five candidate protocols for an IP Flow Info Export (IPFIX) protocol, based on the requirements document produced by the IPFIX Working Group. The protocols are characterized and grouped in broad categories, and evaluated ...

Result # 5 Relevance:

AN INTERACTIVE PROGRAM VERIFIER

1973-05-01

IPCOM000128895D

Eng

This thesis is about automatic program verification. Program verification refers to the ability to state precisely what a program does. It can state the intended effect of a program in a precise way that is not merely another program, and then prove rigorously that the program does (or does not) conform to this ...

Result # 6 Relevance:

Clip Tool: A Convenience for Repetitive Clipboard Actions

1994-03-01

IPCOM000111655D

Eng

A method is presented through which a user can perform repetitive clipboard access actions, with focus-setting actions, into a single easy-to-use action which facilitates using the clipboard without repetitive accesses.

Result # 7 Relevance:

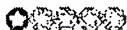
Look Up for Logical Address Based Cache Directory

1991-10-01

IPCOM000121924D

En

Disclosed are techniques for reducing the number of comparators in resolving cache hit/miss/synonym conditions for IBM/3090*-type cache design. Background

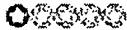
Result # 8 Relevance: **System and Method to discover virtual teams by analyzing call log of messaging systems**

2005-03-23

IPCOM000109154D

En

Customers are increasingly investing in knowledge management solutions. However, the performance gap because these solutions focus on explicitly assimilated digital informal ~50% of the information in the general office which transpires using other ...

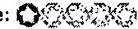
Result # 9 Relevance: **The TLS Protocol Version 1.0 (RFC2246)**

1999-01-01

IPCOM000002805D

En

This document specifies Version 1.0 of the Transport Layer Security (TLS) protocol. The provides communications privacy over the Internet. The protocol allows client/server to communicate in a way that is designed to prevent eavesdropping, ...

Result # 10 Relevance: **The Transport Layer Security (TLS) Protocol Version 1.1 (RFC4346)**

2006-04-01

IPCOM000135889D

En

This document specifies Version 1.1 of the Transport Layer Security (TLS) protocol. The provides communications security over the Internet. The protocol allows client/server to communicate in a way that is designed to prevent eavesdropping, ...

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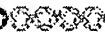
Displaying records #11 through 20 out of 21

Result # 11 Relevance: 

The Symbolic Imagery Hypothesis: A Production System Model Volum

1973-12-31 IPCOM000147891D Eng

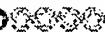
The Symbolic Imagery Hypothesis: A Production System Model Volume I Thomas P. Mo Department of Computer Science Carnegie-Mellon University Pittsburgh, Pennsylvania : December, 1973 This Iliesi5 puts forlit the hypothesis that hu~nait visual imagery can t

Result # 12 Relevance: 

Optimisation of Virus Scanning using Parallel Peer Scanning

2006-02-10 IPCOM000133824D Eng

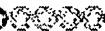
Weekly virus scans take an ever-increasing amount of time as hard disks increase in si: user frustration and often results in scans being terminated prematurely, meaning that not as well protected as they should be. In a closed environment of ...

Result # 13 Relevance: 

Partitioning of Function in a Distributed Graphics System

1985-03-31 IPCOM000150730D Eng

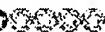
N00039-83-K-0431 rTlQpi HAUL AND ADDRlSS Departments of Computer Science and Engineering AYE 6 ADO RESHII dII!or.nt Irom Controlldna :M 1 (01 thfe Regorf) Approvi re1 ease: distribution unl imi ted nT (of the eb4trmct anrerod In ...

Result # 14 Relevance: 

Recovery from USB device problem

2006-05-23 IPCOM000136575D Eng

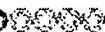
Disclosed is the program that recovers from the problem caused by USB device. The pr executes some typical recovery methods in the most effective order. And the program l recover from the problem without rebooting the personal computer system.

Result # 15 Relevance: 

Pip Near-term Architecture (RFC1621)

1994-05-01 IPCOM000002456D Eng

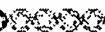
Pip is an internet protocol intended as the replacement for IP version 4. Pip is a genera internet protocol, designed to evolve-to all forseeable internet protocol requirements. T specification describes the routing and addressing architecture for near-term Pip ...

Result # 16 Relevance: 

Performance Evaluation of High-Level Language Systems

1977-11-30 IPCOM000148142D Eng

Performance Evaluation of High-Level Language Systems Bruce Leverett November 197 One of the concerns of the compiler writer is the quality of object programs produced b and in particular their performance at execution time. A survey of ...

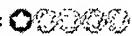
Result # 17 Relevance: 

PDQ cancer treatment information system (USH0000958)

1991-08-06 IPCOM000000953D Eng

The Physician Data Query (PDQ) System is a clinically oriented computer data base dev

make recent information on cancer treatment widely available to the medical community
represents an effort to promote diffusion of information about the treatment of cancer .

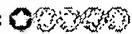
Result # 18 Relevance: 

Laurel Manual

1981-12-31 IPCOM000128915D

En

1 1.1. What is Laurel? 1 1.2. What is this manual? 1 1.3. How to obtain Laurel 1.4. How
2 2.1.5. Acknowledgments 3 2. Basic notions and facilities 5 2.1. The user Interface 6 2.1.
invocation 6 2.1.2 Editing conventions 6 2.1.3 Brackets 2.2 Thc ...

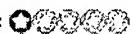
Result # 19 Relevance: 

USER'S GUIDE TO EUREKA AND EURUP

1979-02-28 IPCOM000151439D

En

PART 1 EUREKA 1. Basic EUREKA features As a package, EXREKA is unique, although
features with other existing retrieval systems. The major points of its structure are: 1 I
2) The full text of each document is available. 3) The index ...

Result # 20 Relevance: 

DATA STRUCTURE CHOICE/FORMAL DIFFERENTIATION

1899-12-30 IPCOM000149443D

En

COURANT INSTITUTE OF bWTHEMATICAL SCIENCES Computer Science NSO-15 D,
STRUCTURE CHOICE FORMAL DIFFERENTIATION Ssu-cheng Liu and Robert Paige
1979 Report No. NSO-15 prepared under Grant No. NSF-MCS-76-00116 from t

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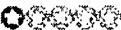
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Result # 11 Relevance: **The Symbolic Imagery Hypothesis: A Production System Model Volum**

1973-12-31 IPCOM000147891D

Eng

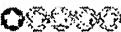
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Result # 13 Relevance: **Partitioning of Function in a Distributed Graphics System**

1985-03-31 IPCOM000150730D

Eng

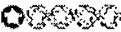
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Result # 14 Relevance: **Recovery from USB device problem**

2006-05-23 IPCOM000136575D

Eng

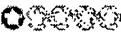
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1994-05-01 IPCOM000002456D

Eng

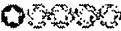
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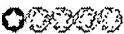
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make recent information on cancer treatment widely available to the medical community
represents an effort to promote diffusion of information about the treatment of cancer .

Result # 18 Relevance: 

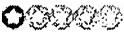
Laurel Manual

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IPCOM000128915D

En

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invocation 6 2.1.2 Editing conventions 6 2.1.3 Brackets 2.2 Thc ...

Result # 19 Relevance: 

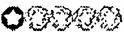
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Result # 21 Relevance:

Extensible Messaging and Presence Protocol (XMPP): Instant Messaging Presence (RFC3921)

2004-10-01

IPCOM000031642D

En

This memo describes extensions to and applications of the core features of the Extensible Messaging and Presence Protocol (XMPP) that provide the basic instant messaging (IM) and presence functionality defined in RFC 2779.

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Result # 1 Relevance:

MAC TR-145 THE BINDING MODEL: A SEMANTIC BASE FOR MODULAR PROGRAMMING SYSTEMS

1975-02-28 IPCOM000149045D En

THE BINDING M3DEL: A SEMANTIC BASE FOR MODULAR PROGRAMMING SYSTEMS D . Henderson, Jr . February 1975 MASSACHUSETTS INSTITUTE OF TECHNOLOGY PROJECT MASSACHUSETTS 02139 CAMBRIDGE TYE 3INDING NODEL: A SEMASITIC BASE FO8 ?!! PROGRAXWIKG ...

Result # 2 Relevance:

Selected Object Filter on Pop-Up Menu

1996-09-01 IPCOM000118109D En

Many Graphical User Interfaces (GUIs) make use of the folder concept to represent a co relationship between objects. Some GUIs extend this concept to show other forms of re example, the CICS* System Manager for AIX* End User Interface. In this ...

Result # 3 Relevance:

AN INTERACTIVE PROGRAM VERIFIER

1973-05-01 IPCOM000128895D En

This thesis is about automatic program verification. Program verification refers to the ic can state the intended effect of a program in a precise way that is not merely another p then prove rigorously that the program does (or does not) conform to this ...

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The Symbolic Imagery Hypothesis: A Production System Model Volume I Thomas P. Mo Department of Computer Science Carnégie-Mellon University Pittsburgh, Pennsylvania : December, 1973 This lliesi5 puts forlt the hypothesis that hu~nait visual imagery can t

Result # 5 Relevance:

The Intrusion Detection Message Exchange Format (IDMEF) (RFC476)

2007-03-01 IPCOM000147352D En

The purpose of the Intrusion Detection Message Exchange Format (IDMEF) Is to define and exchange procedures for sharing information of interest to intrusion detection and systems and to the management systems that may need to interact with them.

Result # 6 Relevance:

Computer-Aided Study of Literary Language

1978-08-01 IPCOM000131345D En

[Figure containing following caption omitted: Work in artificial intelligence and the spe flexibility of electronic storage offer potential solutions to the special problems encountered describing the language of literature.] Language has proven to be a complicated ...

Result # 7 Relevance:

DATA STRUCTURE CHOICE/FORMAL DIFFERENTIATION

1899-12-30 IPCOM000149443D En

COURANT INSTITUTE OF bWTHEMATICAL SCIENCES Computer Science NSO-15 D,
STRUCTURE CHOICE FORMAL DIFFERENTIATION Ssu-cheng Li u and Robert Paig
1979 Report No. NSO-15 prepared under Grant No. NSF-MCS-76-00116 from t

Result # 8 Relevance:

BGP-4 Implementation Report (RFC4276)

2006-01-01

IPCOM000133099D

En

This document reports the results of the BGP-4 implementation survey. The survey had about implementations' support of BGP-4 as specified in RFC 4271. After a brief summary, each response is listed. This document contains responses from the ...

Result # 9 Relevance:

Intelligent User Interfaces

1991-09-30

IPCOM000151994D

En

Yigal Arens Steven Feiner James Foley USCIIISI Columbia University Georgia Institute of Eduard Hovy Bonnie John Robert Neches USCIIISI CMU USC/ISI Randy Pausch Herbert Swartout University of Virginia USCIIISI USCJISI September 30, 1991 ...

Result # 10 Relevance:

Extensible Rule Based Business Integration Artifact Naming

2005-11-05

IPCOM000131037D

En

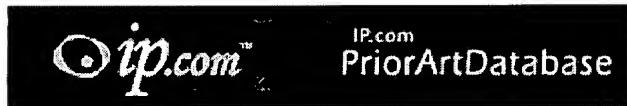
Porting BI (Business Integration) artifacts from a platform vendor to another vendor is one mapping between the respective artifacts. One BI broker might have artifacts that present on another broker. A target broker might need additional artifacts that ...

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Result # 11 Relevance:

Partitioning of Function in a Distributed Graphics System

1985-03-31 IPCOM000150730D En

N00039-83-K-0431 rTlQpi HAUL AND ADDRlSS Departments of Computer Science and Engineering AYE 6 ADO RESHII dIl!or.nt Irom Controllldna :M 1 (01 the Regorf) Approvi rei ease: distribution unl imi ted nT (of the eb4trmct anrerod In ...

Result # 12 Relevance:

Media Gateway Control Protocol (MGCP) Version 1.0 (RFC3435)

2003-01-01 IPCOM000011184D En

This document describes an application programming interface and a corresponding pr which is used between elements of a decomposed multimedia gateway. The decompose gateway consists of a Call Agent, which contains the call control ...

Result # 13 Relevance:

Bitmap slicing mechanism to support multicast in large centrally-arbit crossbars

2007-03-07 IPCOM000147263D En

It is proposed to use a novel control-channel protocol against problems that arise in the control channel for an input-queued switch supporting multicast traffic.

Result # 14 Relevance:

Session Description Protocol (SDP) Security Descriptions for Media St (RFC4568)

2006-07-01 IPCOM000138479D En

This document defines a Session Description Protocol (SDP) cryptographic attribute for streams. The attribute describes a cryptographic key and other parameters that serve t security for a unicast media stream in either a single message or a ...

Result # 15 Relevance:

Extensible Messaging and Presence Protocol (XMPP): Instant Messaging Presence (RFC3921)

2004-10-01 IPCOM000031642D En

This memo describes extensions to and applications of the core features of the Extensit and Presence Protocol (XMPP) that provide the basic instant messaging (IM) and preser functionality defined in RFC 2779.

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